Serial No.: 10/072,641 -2 - Art Unit: 1623

Conf. No.: 3255

In the Claims

Applicants have submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please cancel claims 8-30 and 37-48 without prejudice or disclaimer. Please amend pending claims 2, 3, 31, and 34 as noted below.

1. (Original) A composition, comprising a structure:

wherein n is at least 2.

- 2. (Currently amended) The composition of claim 1, wherein at least one atom of the structure is radioactive.
- 3. (Currently amended) The composition of claim 1, wherein a hydrogen atom on a the base of the structure has been substituted by an electron-rich group.
- 4. (Original) A method of synthesizing a composition, comprising: providing a species comprising a nucleoside; and reacting the species with a compound to form a composition comprising a structure:

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wherein n is at least 2.

- 5. (Original) The method of synthesizing a composition of claim 4, wherein the nucleoside comprises deoxyuridine.
- 6. (Original) The method of synthesizing a composition of claim 4, wherein the nucleoside comprises a deoxyuridine derivative.
- 7. (Original) The method of synthesizing a composition of claim 6, wherein the deoxyuridine derivative comprises 5-nitro-2'-deoxyuridine.
 - 8-30. (Cancelled).
 - 31. (Currently amended) A method of synthesizing an amine, comprising: providing a composition comprising a structure:

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wherein n is at least 2; and

reacting the NH₂ group of the composition with a compound to form an amine comprising a structure:

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 R^1 and R^2 each comprising an atom, wherein at least one of R^1 and R^2 comprises a carbon atom.

- (Original) The method of synthesizing an amine of claim 31, wherein at least one 32. of R¹ and R² comprises a fluorescent entity.
- 33. (Original) The method of synthesizing an amine of claim 31, wherein at least one of R¹ and R² comprises a radioactive entity.
 - (Currently amended) A method of synthesizing a compound, comprising: 34. providing a composition comprising a structure:

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wherein n is at least 2; and

coupling a reporting group to the compound composition.

- (Original) The method of synthesizing a compound of claim 34, wherein the 35. reporting group is fluorescent.
- (Original) The method of synthesizing a compound of claim 34, wherein the 36. reporting group is radioactive.

37-48. (Cancelled).